

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L2    | 0    | coding adj pattern and decoding and extract\$3 and sequence and images and positin and recorded and sensor and reference adj position and matching and reference adj area and subset and spatial | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/09/30<br>10:24 |
| L3    | 618  | coding adj pattern and decoding  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/09/30<br>10:25 |
| L4    | 34   | L3 and reference adj position  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/09/30<br>10:26 |
| L13   | 5    | coding and retrieving and reference adj position and prior adj image   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/09/30<br>10:31 |
| L14   | 4    | L13 and (@ad<"20030429" or @rlad<"20030429" or @prad<"20030429" or @ptad<"20030429")   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/09/30<br>10:32 |

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|-----|----|---|---|----|----|---------------------|
| L15 | 4  | L13 and @ad<"20030429"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/30<br>10:33 |
| L17 | 0  | L15 and subset  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/30<br>10:35 |
| S1  | 0  | (coding adj pattern and decoding and extract\$3 and sequence and images and positin and recorded and sensor and reference adj position and matching and reference adj area and subset and spatial).CLM. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:41 |
| S2  | 0  | (coding adj pattern and decoding and extract\$3 and sequence and images and positin and recorded and sensor and reference adj position and matching and reference adj area and subset and spatial).CLM. | US-PGPUB  | OR | ON | 2008/11/17<br>14:41 |
| S3  | 8  | ((ANDREAS) near2 (BJORKLUND)).INV.  | US-PGPUB;<br>USPAT                                      | OR | ON | 2008/11/17<br>14:43 |
| S4  | 15 | ((TOMAS) near2 (EDSO)).INV.   | US-PGPUB;<br>USPAT                                      | OR | ON | 2008/11/17<br>14:44 |
| S5  | 0  | coding adj pattern and decoding and extract\$3 and sequence and images and positin and recorded and sensor and reference adj position and matching and reference adj area and subset and spatial        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:44 |
| S6  | 0  | coding adj pattern and decoding and extract\$3 and sequence and images and positin and recorded and sensor and subset and spatial   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:44 |

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| S7  | 534 | coding adj pattern and decoding   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:45 |
| S8  | 5   | S3 and coding adj pattern and decoding  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:52 |
| S9  | 13  | S4 and coding adj pattern and decoding  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:52 |
| S10 | 3   | S8 and (@ad<"20030429" or @riad<"20030429" or @prad<"20030429" or @ptad<"20030429") | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:57 |
| S11 | 9   | S9 and (@ad<"20030429" or @riad<"20030429" or @prad<"20030429" or @ptad<"20030429") | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:57 |
| S12 | 2   | S8 and @ad<"20030429"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:58 |
| S13 | 5   | S11 and @ad<"20030429"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>14:58 |

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| S14 | 2  | "20030012455"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:09 |
| S15 | 2  | S14 and @ad<"20030429"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:09 |
| S16 | 98 | ((("5847098") or ("6107465") or ("5342614") or ("5368965")<br>or ("6197821") or ("4290963") or ("4918202") or<br>("4994584") or ("5262519") or ("5565563") or ("4260562")<br>or ("4284720") or ("4528190") or ("4925976") or<br>("5362751") or ("5371070") or ("5698542") or ("5760214")<br>or ("5849282") or ("5962409") or ("6005099") or<br>("6022998") or ("6028207") or ("4315866") or ("4320639")<br>or ("4338249") or ("4338332") or ("4357815") or<br>("4384120") or ("4433502") or ("4496748") or ("4549116")<br>or ("4552868") or ("4584289") or ("4776240") or<br>("4874855") or ("4952601") or ("5334714") or ("5344938")<br>or ("5421748") or ("5537945") or ("5539112") or<br>("5580943") or ("6025467") or ("6075140") or ("6211363")<br>or ("6211363") or ("4277409") or ("4291038") or ("4377517").<br>pn.")).PN. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/17<br>15:11 |
| S17 | 98 | S16 and @ad<"20030429"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:11 |
| S18 | 0  | S17 and coding adj pattern and decoding  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:12 |

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|-----|----|---|---|----|-----|---------------------|
| S19 | 0  | S17 and coding adj pattern  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:12 |
| S20 | 24 | ((("5872871") or ("6310988") or ("4817171") or ("5477012") or ("6570104") or ("6674427") or ("6667695") or ("20030012455") or ("5973110") or ("20030128194") or ("6548768") or ("20020044138") or ("6663008") or ("20040188526).pn))).PN. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/17<br>15:27 |
| S21 | 9  | S20 and coding adj pattern and decoding   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:27 |
| S22 | 9  | S21 and @ad<"20030429"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:28 |
| S23 | 0  | S21 and coding adj pattern and decoding and extract\$3 and sequence and images and positin and recorded and sensor and reference adj position and matching and reference adj area and subset and spatial                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:28 |
| S24 | 0  | S21 and extract\$3 and sequence and images and positin and recorded and sensor and reference adj position and matching and reference adj area and subset and spatial  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:29 |
| S25 | 0  | S21 and sequence and images and positin and recorded and sensor and subset and spatial  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/17<br>15:29 |

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|-----|---|--|---|----|----|---------------------|
| S26 | 0 | S21 and positin and recorded and sensor and subset and spatial | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:29 |
| S27 | 0 | S21 and positin and recorded and sensor and spatial            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:30 |
| S28 | 0 | S22 and positin and recorded and sensor and spatial            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:30 |
| S29 | 7 | S22 and subset   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:53 |
| S30 | 1 | S29 and pattern adj reference                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:55 |
| S31 | 0 | S30 and estimat\$3   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:56 |
| S32 | 0 | S30 and polynomial   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:57 |

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|-----|-----|--|---|----|----|---------------------|
| S33 | 0   | S30 and extrapolat\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:57 |
| S34 | 37  | S7 and polynomial  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:57 |
| S35 | 4   | S34 and extrapolat\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:58 |
| S36 | 1   | S35 and estimat\$3   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:58 |
| S37 | 0   | S36 and @ad<"20030429"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>15:58 |
| S38 | 1   | S30 and subset   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/17<br>16:01 |
| S39 | 391 | record\$3 and(sensor or scanner or scann)and coding adj<br>pattern and processor | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:02 |

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|-----|-----|---|---|----|----|---------------------|
| S40 | 24  | S39 and reference adj position                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:03 |
| S41 | 3   | S39 and retrieving and reference adj position     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:03 |
| S42 | 2   | S41 and @ad<"20030429"                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:05 |
| S43 | 107 | S39 and retrieving                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:07 |
| S44 | 3   | S40 and retrieving                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:08 |
| S45 | 819 | position adj decoding                             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:13 |
| S46 | 197 | S45 and record\$3 and(sensor or scanner or scann) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:20 |



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|-----|------|---|---|----|----|---------------------|
| S47 | 130  | S46 and identify\$3 and(marks or dots)and record\$3 and (sensor or scanner or scann)      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:29 |
| S48 | 1    | S47 and retrieving and reference adj position   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:30 |
| S49 | 0    | S48 and @ad<"20030429"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:30 |
| S50 | 5    | S47 and reference adj position  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:33 |
| S51 | 2    | S50 and @ad<"20030429"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:40 |
| S52 | 1    | S50 and extract\$3 and match\$3 and position and reference adj(area or region)and pattern | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/15<br>14:55 |
| S53 | 0    | 382/188,179,181,305,173.ccls  | USPAT   | OR | ON | 2009/05/15<br>15:07 |
| S54 | 2590 | 382/188,179,181,305,173.ccls.   | USPAT   | OR | ON | 2009/05/15<br>15:11 |
| S55 | 1    | S54 and position adj decoding   | USPAT   | OR | ON | 2009/05/15<br>15:13 |

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|-----|------|--|-------|----|----|---------------------|
| S56 | 1    | S55 and record\$3 and(sensor or scanner or scann)  | USPAT | OR | ON | 2009/05/15<br>15:14 |
| S57 | 1    | S56 and identify\$3 and(marks or dots)and record\$3 and<br>(sensor or scanner or scann)      | USPAT | OR | ON | 2009/05/15<br>15:14 |
| S58 | 0    | S57 and reference adj position   | USPAT | OR | ON | 2009/05/15<br>15:15 |
| S59 | 0    | S57 and extract\$3 and match\$3 and position and reference<br>adj(area or region)and pattern | USPAT | OR | ON | 2009/05/15<br>15:19 |
| S60 | 2034 | 358/473,406,401,402.CCLS   | USPAT | OR | ON | 2009/05/15<br>15:25 |
| S61 | 0    | S60 and position adj decoding  | USPAT | OR | ON | 2009/05/15<br>15:25 |
| S62 | 901  | S60 and record\$3 and(sensor or scanner or scann)  | USPAT | OR | ON | 2009/05/15<br>15:26 |
| S63 | 44   | S62 and reference adj position   | USPAT | OR | ON | 2009/05/15<br>15:26 |
| S64 | 11   | S63 and identify\$3 and(marks or dots)and record\$3 and<br>(sensor or scanner or scann)      | USPAT | OR | ON | 2009/05/15<br>15:26 |
| S65 | 0    | S64 and extract\$3 and match\$3 and position and reference<br>adj(area or region)and pattern | USPAT | OR | ON | 2009/05/15<br>15:26 |
| S66 | 2    | S64 and retrieving and reference adj position  | USPAT | OR | ON | 2009/05/15<br>15:27 |
| S67 | 6842 | 345/156,175,157,103,104,164,165,173,179.CCLS   | USPAT | OR | ON | 2009/05/15<br>15:30 |
| S68 | 19   | S67 and coding adj pattern and decoding  | USPAT | OR | ON | 2009/05/15<br>15:31 |
| S69 | 17   | S68 and record\$3 and(sensor or scanner or scann)  | USPAT | OR | ON | 2009/05/15<br>15:31 |
| S70 | 0    | S69 and reference adj position   | USPAT | OR | ON | 2009/05/15<br>15:31 |
| S71 | 12   | S69 and identify\$3 and(marks or dots)and record\$3 and<br>(sensor or scanner or scann)      | USPAT | OR | ON | 2009/05/15<br>15:31 |

|     |      |   |       |    |    |                     |
|-----|------|---|-------|----|----|---------------------|
| S72 | 0    | S71 and extract\$3 and match\$3 and position and reference adj(area or region)and pattern | USPAT | OR | ON | 2009/05/15<br>15:32 |
| S73 | 0    | S71 and retrieving and reference adj position   | USPAT | OR | ON | 2009/05/15<br>15:33 |
| S74 | 5    | S71 and @ad<"20030429"  | USPAT | OR | ON | 2009/05/15<br>15:33 |
| S75 | 0    | S74 and reference adj image\$1  | USPAT | OR | ON | 2009/05/15<br>15:37 |
| S76 | 978  | 178/18.09.18.01.cds.  | USPAT | OR | ON | 2009/05/15<br>15:42 |
| S77 | 10   | S76 and coding adj pattern and decoding   | USPAT | OR | ON | 2009/05/15<br>15:42 |
| S78 | 9    | S77 and record\$3 and(sensor or scanner or scann)   | USPAT | OR | ON | 2009/05/15<br>15:43 |
| S79 | 1    | S78 and reference adj position  | USPAT | OR | ON | 2009/05/15<br>15:43 |
| S80 | 0    | S79 and extract\$3 and match\$3 and position and reference adj(area or region)and pattern | USPAT | OR | ON | 2009/05/15<br>15:43 |
| S81 | 1    | S79 and identify\$3 and(marks or dots)and record\$3 and (sensor or scanner or scann)      | USPAT | OR | ON | 2009/05/15<br>15:44 |
| S82 | 1059 | 235/494.cds.  | USPAT | OR | ON | 2009/05/15<br>15:45 |
| S83 | 27   | S82 and coding adj pattern and decoding   | USPAT | OR | ON | 2009/05/15<br>15:45 |
| S84 | 19   | S83 and record\$3 and(sensor or scanner or scann)   | USPAT | OR | ON | 2009/05/15<br>15:46 |
| S85 | 1    | S84 and reference adj position  | USPAT | OR | ON | 2009/05/15<br>15:46 |
| S86 | 0    | S84 and extract\$3 and match\$3 and position and reference adj(area or region)and pattern | USPAT | OR | ON | 2009/05/15<br>15:46 |
| S87 | 17   | S84 and identify\$3 and(marks or dots)and record\$3 and (sensor or scanner or scann)      | USPAT | OR | ON | 2009/05/15<br>15:46 |

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|-----|----|--|---|----|----|---------------------|
| S88 | 0  | S87 and reference adj position   | USPAT   | OR | ON | 2009/05/15<br>15:47 |
| S89 | 1  | (position adj decoding and pattern and sensor and reference adj position and extract\$3 and match\$3 and subset and spatial).CLM.  | US-PGPUB  | OR | ON | 2009/05/15<br>16:00 |
| S90 | 0  | S87 and subset   | US-PGPUB  | OR | ON | 2009/05/15<br>16:00 |
| S91 | 3  | S87 and probability adj matrix   | USPAT   | OR | ON | 2009/05/15<br>16:03 |
| S92 | 32 | ("46060694" "4998010" "5221833" "5245165" "5442147" "5449896" "5453605" "5449896" "5521372" "5821523" "5852434" "5898166" "5937110" "6182901" "6929183" "7145556" "7195166" "20030056169").pn. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/19<br>17:53 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query  | DBs                   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------------|------------------|---------|------------------|
| L1    | 1    | (position adj decoding and pattern and sensor and reference adj position and extract\$3 and match\$3 and subset and spatial).CLM. | US-PGPUB; USPAT; UPAD | OR               | ON      | 2009/09/30 10:22 |

9/30/09 10:36:26 AM

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